



# **Team Radford Commander's Public Meeting**

12 MAY 2016

6:30-8:00 p.m.

Christiansburg Library

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# Agenda



- 6:30 – 6:40: Welcome, Introductions, Guidelines
- 6:40 – 7:30: RFAAP Project Updates, Permits, Sampling, Recent Accomplishments, Community Involvement
- 7:30 – 8:00: Wrap Up, Questions, Action Items





# Introductions



## US Army

### **LTC Alicia Masson**

Commander, Radford Army  
Ammunition Plant (RFAAP)

### **Rob Davie**

Chief, Operations Team, US  
Army, RFAAP

### **Justine Barati**

Director of Public and  
Congressional Affairs, Joint  
Munitions Command, Army

## BAE Systems

### **Jay Stewart**

Environmental Manager, Radford

### **Bill Hendon**

Safety, Health, and Environment  
(SHE) Manager, Radford

### **Christopher Finley**

Communications Manager, Radford

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# Participant Guidelines



**In order to ensure that the time invested in these events is productive for all parties, the following guidelines will be adhered to by all participants:**

- All participants are to treat each other with courtesy and respect.
- When someone is speaking, do not interrupt them.
- Raise your hand if you have a question or comment.
- Keep questions and comments concise.
- Do not become verbally combative with other attendees or participants.





# Participant Guidelines



## **Failure to comply with these guidelines will result in the following course of action:**

- First instance of non-compliance will receive a verbal reminder of the guidelines.
- Second instance of non-compliance will receive a verbal reminder of the guidelines and notification that a third instance will result in removal from the meeting.
- Third instance of non-compliance will result in the offender being escorted out of the meeting area by security.





# Participant Guidelines



## Recording Devices

- Under Virginia law 2.2-3707, attendees have the legal right to film a meeting held by a public body. However, attendees do not have the right to be disruptive during the proceedings. As such, the following rules will be observed when using recording devices.

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# Participant Guidelines



## Recording Devices

- Notification of intent to record, photograph or film must be stated before the start of the meeting.
- The individual filming must sit or stand at the side or back of the room, in order to ensure minimal disruption or inconvenience to other participants.
- Using the recording for commercial purposes without explicit consent from the filmed party is strictly prohibited and subject to legal ramification.





# Project Updates



## New Natural Gas Fired Package Boilers



### Cost Schedule

Design & LL Equip Dec15 - Mar17  
Const & Commission Dec15 - Mar17

Percent Design Complete			
Design	60%	Construction	0%
LLE	50%	Prove Out	0%

\* Proposed Cost, proceeding under UCA

### Project Description / Objectives :

- Provide natural gas fired package boiler facility to supply plant steam demands
- Facility to be operational by MACT compliance deadline 31<sup>st</sup> Jan17
- Execute design-build subcontract including complete commissioning of facility
- Install required Continuous Emissions Monitoring Systems
- Fully integrate package boiler facility into existing power house including utilization of existing turbines

### Performance / Benefits:

- Six (6) gas-fired boilers

### Contractor Name / Contract Type:

- Major Subcontractor: Rentech (Abilene, TX) - Boilers
- Major Subcontractor: Horiba (Moon Twp. PA) - CEMS
- Major Subcontractor: Fluor (Greenville, SC) - Design & Construction

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### Major Accomplishments:

- Comments on Shop drawings back to Rentech 15<sup>th</sup> Feb16
- UCA for Construction received 7<sup>th</sup> Mar16
- 30% Design Review with Gov. 29<sup>th</sup> Mar16
- All boiler drums received by Rentech 15<sup>th</sup> Apr16
- 60% Design Review with Gov. 2<sup>nd</sup> May16
- Preliminary PHA complete 6<sup>th</sup> May16

### Planned Activities :

- SWPPP Approval 13<sup>th</sup> May16
- Begin site work 18<sup>th</sup> May16
- Issue contract to Atmos Energy Corp 27<sup>th</sup> May16
- 90% Design Review 28<sup>th</sup> Jun16
- Final PHA 29<sup>th</sup> Jun16

### Issues:

- Schedule concern given delay in SWPPP approval







# Project Updates



## Combined EWI/CWP Facility – Design Phase



Cost 

Schedule 

Contract Value: \$6.9M 22 months

Percent Schedule Complete			
Design	0%	Construction	0%
LLE	0%	Prove-Out	0%

### Project Description / Objectives:

- To design a fully modernized combined Energetic Waste Incinerator and Contaminated Waste Processor (EWI/CWP), allowing a centralized, air-pollution controlled facility to handle all energetic waste (EW) and energetic contaminated waste (ECW) generated at RFAAP

### Performance / Benefits:

- Modernized facility capable of handling all material created/utilized at RFAAP
- Reduce the open burning ground requirement to less than  $\leq 5\%$  utilization
- Meet 2020 MACT compliance for emissions
- Reliable facility infrastructure for continual operations

### Contractor Name / Contract Type:

- BAE Systems / FFP
- Major Subcontractor: Project Integration

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### Status / Major Accomplishments:

- Internal Kickoff: 26<sup>th</sup> April
- Project Integration Award: 28<sup>th</sup> April

### Planned Activities (180-Day Look Ahead):

- Government Kickoff: 11<sup>th</sup> May
- Confirmation of Baseline Schedule and Program Plan: 8<sup>th</sup> June
- Design Down Select: 15<sup>th</sup> June
- Process Flow Diagram Development: 15<sup>th</sup> July
- Completion of Plant Resource Study: 15<sup>th</sup> Aug
- Critical Spares Identification: 25<sup>th</sup> Oct
- 30% Design Complete: 23<sup>rd</sup> Dec
- 90% Design Complete: 10<sup>th</sup> Aug 17

### Issues:

- None at this time





# Project Updates



## Aerostat Sampling at OBG

- Led by a USEPA Research and Development Team from NC
- Team includes members from U of Dayton and NASA
- Final funding/logistics are arranged
- Testing to occur 19-30 Sep 2016 at RFAAP OBG



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# Questions



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# Permits



## RFAAP Environmental Permits

**Air** - RFAAP is a Title V Major (for Hazardous Air Pollutants) Facility. In addition to the Title V Permit, there are five New Source Review Permits under which the facility operates. These permit requirements span all manufacturing operating areas of the plant – in addition to governing ancillary activities such as the Powerhouse, wastewater treatment, and maintenance functions.

– *Q&A period will follow completion of permits discussion.*





# Permits



## RFAAP Environmental Permits

**Water** - activities include Waterworks Permit PWSID 1121643 to Operate the Drinking Water Plant Bldg. 419 and Membrane Filtration Drinking Water Plant in Montgomery County- Bldg. 474 by the Virginia Department of Health (VDH); Authorization to discharge (wastewater and storm water) under the Virginia Pollutant Discharge Elimination System and The Virginia State Water Control Law-Permit No. VA0000248 by the Virginia Department of Environmental Quality (DEQ);

Authorization to discharge under the General VPDES Permit for Discharges of Stormwater from Construction Activities for the new NC Facility Construction and Select Bldg. Demo by DEQ;  
Grandfathered Permit for Water Withdrawal from the New River by DEQ-annual report submitted on withdrawal.

- *Q&A period will follow completion of permits discussion.*

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# Permits



## RFAAP Environmental Permits

**Waste** - activities include RCRA Permit for the Treatment of Hazardous Waste at the Explosive Waste Incinerator; RCRA Permit for the Treatment of Hazardous Waste at the Open Burning Ground; RCRA Permit for Groundwater and Soil Sampling at Old Hazardous Waste Sites; Site wide RCRA Permit for Managing Risk and Developing Cleanup Plans for Waste Sites. Any material being removed from the facility is tested to determine it's characteristics before it is disposed.

Waste determinations are use to direct the material to the appropriate waste disposal facility. The Radford Plant is a Large Quantity Generator of Hazardous Waste and is regulated by the Virginia DEQ. The facility has on-site landfills that are inspected quarterly and has a Corrective Action Permit for site remediation issued by the Virginia DEQ.

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- *Q&A period will follow completion of permits discussion.*





# Questions



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# Sampling



## RFAAP Environmental Sampling Programs

**Air** – Radford has permits with requirements for Continuous Emissions Monitoring Systems: including Nitrocellulose Production (NO<sub>x</sub>); Two Explosive Waste Incinerators (CO, O<sub>2</sub>); Breakthrough Monitoring for Solvent Propellant Production (VOCs), and soon, SIX New Natural Gas-Fired Boilers (one each for NO<sub>x</sub>). This is a total of TEN CEMS systems collecting permit data, which then needs to be analyzed to determine compliance with both the permits and the QA/QC requirements under 40 CFR 60.

- *Q&A period will follow completion of sampling discussion.*

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# Sampling



## RFAAP Environmental Sampling Programs

**Water-** Radford has two drinking water plants that must comply with Waterworks regulations regarding continuous monitoring of water flowing through both plants 419 and 474. An average of 660 samples are analyzed internally at both drinking water plants. A minimum of two samples are analyzed in our off-plant lab each month. Radford has 8 industrial outfalls that require continuous, weekly, and/or monthly monitoring and analysis requirements. Each month we analyze a minimum of 194 samples at these outfalls while maintaining continuous monitoring for pH, excursion time, flow, and temperature. There are additional quarterly, semi-annual, and annual sampling requirements at these outfalls as well as stormwater outfalls.

**BAE SYSTEMS** – Q&A period will follow completion of sampling discussion.





# Sampling



## RFAAP Environmental Sampling Programs

**Waste** - Any material being removed from the facility is tested to determine its characteristics before it is disposed. Waste determinations are used to direct the material to the appropriate waste disposal facility.

The Radford Plant is a Large Quantity Generator of Hazardous Waste and is regulated by the Virginia DEQ. The facility has on-site landfills that are inspected quarterly and has a Corrective Action Permit for site remediation issued by the Virginia DEQ.

- *Q&A period will follow completion of sampling discussion.*

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# Questions



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# Recent Accomplishments



## Anniversary

Radford Army Ammunition Plant turns 75 years



## Safety

- Team Radford has achieved 2.0 million hours and celebrated one year without a lost workday incident on April 1.
- Team Radford is trending at 0.99 recordable incident rate - the lowest in the company's history!



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# RFAAP Community Involvement



- Supported **NRV CARES** Annual Auction to fund their programs including Court Appointed Special Advocates, Parenting Young Children courses, Circle of Parents support groups, Hugs and Kisses, and Stewards of Children.
- In honor of **National Military Appreciation Month**, Team Radford is creating 75 care packages for local troops deployed to hot, dry regions overseas.
- Supported two Fishing Rodeos for **Wounded Warriors** and **Intellectual Disabilities Agency of the New River Valley**.
- **Adopt-a-Highway** – Over 3 miles of roadside cleanup conducted on Belspring and Gate 10 Roads.



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# Save-the-Date



## **Team Radford Commander's Public Meeting**

18 AUGUST 2016

6:30-8:00 p.m.

Location TBD

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# Questions



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# Information is Available



Our commitment to responding to your questions doesn't end tonight. Resources exist for you to research information on your own or ask questions of our personnel.

## **Resources**

[https://www.facebook.com/Radford-Army-Ammunition-Plant-168050963267011/timeline/?ref=br\\_tf](https://www.facebook.com/Radford-Army-Ammunition-Plant-168050963267011/timeline/?ref=br_tf)

[Usarmy.Radford.peo-eis.list.rfaap-public-affairs@mail.mil](mailto:Usarmy.Radford.peo-eis.list.rfaap-public-affairs@mail.mil)

<http://www.rfaap.army.mil/Default.aspx>

[www.radfordaapirp.org](http://www.radfordaapirp.org)

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